## IAP15 Rec'd PCT/PTO 21 SEP 2006

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

·TR			TO THE UNITED STATES O OFFICE (DO/EO/US)	ATTORNEY'S DOCKET NUMBER K-0870								
			NG UNDER 35 U.S.C. 371	10/593617								
INTERNATIONAL APPLICATION NO. PCT/RK2006/000282			INTERNATIONAL FILING DATE  January 25, 2006	PRIORITY DATE CLAIMED  January 25, 2005								
		ENTION G MACHINE										
APPLICANT(S) FOR DO/EO/US  Ji Chang SON; Kang Mo CHOI; Hyung Wook CHU and Woong Kil CHA												
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:												
1.	$\boxtimes$	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.										
2.		This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.										
3.	$\boxtimes$	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.										
4.		The US has been elected (Article 31).										
5.	$\boxtimes$	A copy of the International Application as filed (35 U.S.C. 371(c)(2))										
	a.	is attached hereto (r	equired only if not communicated by the Int	ernational Bureau).								
	b.	has been communic	ated by the International Bureau.									
	c.	is not required, as th	e application was filed in the United States	Receiving Office (RO/US)								
6.	$\boxtimes$	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))										
	a.	is attached hereto.										
	b.	has been previously	submitted under 35 U.S.C. 154(d)(4).									
7.		Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).										
	a.	are attached hereto (required only if not communicated by the International Bureau).										
	b.	have been communi	have been communicated by the International Bureau.									
	c.	have not been made	; however, the time limit for making such ar	mendments has NOT expired.								
	d.	have not been made and will not be made.										
8.		An English language translation of the amendments to the claims under Article 19 (35 U.S.C. 371(c)(3)).										
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (To Follow)										
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).										
Items	11 to 2	0 below concern document	(s) or information included:									
11.	$\boxtimes$	An Information Disclosure	Statement under 37 C.F.R. 1.97 and 1.98.									
12.		An Assignment Document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. (To Follow)										
13.		A Preliminary Amendment.										
14.		An Application Data Sheet under 37 CFR 1.76.										
15.		A substitute Specification.										
16.		A Power of Attorney and/or change of address letter.										
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.										
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).										
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).										

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## IAP9/Rec'd PCT/PTO 21 SEP 2006

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.Ş. APPLICATION	(If known, see 37 Cl		NTERNATIONAL APPLICATION PCT/RK2006/0			OCKET NO.					
20. Other items of information PCT Request Form 101 International Search Report (Form PCT/ISA/210) Written Opinion of the international Searching Authority (FormPCT/ISA/237) Notification of Receipt of Record Copy (Form PCT/IB/301) Notification Concerning Submission of Transmittal of Priority Document (Form PCT/IB/304)											
The following for	ees have been sub	Calculations	PTO Use Only								
21. 🛛 Basic	national fee (37 C	300.00	\$300.00								
22. 🛛 Exami	nation fee (37 C	\$200.00									
IPEA/L	inion prepared by JS indicates all cla ons										
23. X Search	fee (37 CFR 1.4	92(b))				\$400.00	·				
IPEA/U Search fee (37 C Internat International Se previou	inion of the ISA/IJS indicates all cla IJS indicates all cla IJS 1.445(a)(2)) Idicates the IJS										
		F 21, 22, and 2				\$900.00					
listin medi The f	I fee for specifica g in compliance v um) (37 CFR 1.49 ee is \$250.00 for	\$									
Total Sheets			ch additional 50 or fraction lup to a whole number)	RATE							
- 100 =		thereof (round	ap to a whole number)	x \$250.00	)						
Surcharge of \$1 later than 30 m	30.00 for furnishonths after the da	\$									
CLAIM	S		NUMBER EXTRA	RATE							
Total Cla	ims	20 - 20 =		x \$50	.00	\$					
Independent	Claims	3 - 3 =		x \$200.00		\$					
MUL	TIPLE DEPENDI	\$									
		\$900.00									
Applican	t claims small en	\$									
		\$900.00									
Processing fee of \$130.00 for furnishing the English language translation later than 30 months from the earliest priority date (37 CFR 1.492(f))											
		\$900.00									
Fee for recording	g the enclosed ass er sheet (37 CFR 3	\$									
		\$900.00									
						Amount to be refunded:	\$				
						Amount to be charged:	\$				

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IAP9/Rec'd PCT/PTO 21 SEP 2006

10/5 93 6 1 Approved for use through 3/31/2007. OMB 0651-0021 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. to cover the above fees is enclosed. a. A check in the amount of \$\_\_ Please charge my Deposit Account No. \_\_\_\_\_\_ in the amount of \$\_\_\_\_\_ to cover the above fees. b. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to c. Deposit Account No. 16-0607. A duplicate copy of this sheet is enclosed. d.  $\boxtimes$ Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: CUSTOMER NO. 34610 SIGNATURE FLESHNER & KIM, LLP P.O. Box 221200 Chantilly, Virginia 22151-1200 NAME USA 36,186 REGISTRATION NUMBER